PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220 s well as, where applicable, item 5 below.	
S 7173-Ro	ACTION	as well		
International application No.	International filing date (day/mon	th/year)	(Earliest) Priority Date (day/month/year) 28/07/2003	
PCT/EP2004/008408	27/07/2004			
Applicant			·	
SAP AKTIENGESELLSCHAFT	······································	····		
This International Search Report has bee according to Article 18. A copy is being to			ority and is transmitted to the applicant	
This International Search Report consists	of a total ofs	eets.	•	
It is also accompanied by	a copy of each prior art document	cited in this r	report.	
Basis of the report With regard to the language, the	international search was carried ou less otherwise indicated under this	t on the basi	is of the international application in the	
The international	search was carried out on the basis		ation of the international application furnished to	
this Authority (Ru	` "	e disclosed i	in the international application, see Box No. I.	
b			ar and anti-regulating deprivation, 500 Dox 140. 12	
2. Certain claims were fou	ind unsearchable (See Box II).		•	
3. X Unity of invention is lac	king (see Box III).			
4. With regard to the title,			•	
X the text is approved as su	ubmitted by the applicant.			
the text has been establis	shed by this Authority to read as foll	ows:		
•				
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•				
	•			
5. With regard to the abstract,			•	
	ubmitted by the applicant.	N-1- A Ab 14		
may, within one month fr	om the date of mailing of this interna	itional searc	y as it appears in Box No. IV. The applicant th report, submit comments to this Authority.	
6. With regard to the drawings,				
a. the figure of the drawings to be	published with the abstract is Figure	No2_	·	
X as suggested by				
as selected by th	is Authority, because the applicant	ailed to sug	gest a figure.	
as selected by th	is Authority, because this figure bet	ter characte	rizes the invention.	
b. none of the figures is to b	e published with the abstract.			

INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/008408

A CLASS	IFICATION OF SUBJECT MATTER G06F9/46					
'						
According to International Patent Classification (IPC) or to both national classification and IPC						
	SEARCHED					
Minimum de IPC 7	ocumentation searched (classification system followed by classification sy	ation symbols)				
Documenta	ation searched other than minimum documentation to the extent that	such documents are included in the fields se	arched			
Electronic d	data base consulted during the International search (name of data b	ase and, where practical, search terms used				
EPO-In	iternal, INSPEC					
•		·				
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the re-	elevant passages	Relevant to claim No.			
,	HAMANEN A ET AL. BALLER	- C				
X	WAANANEN A ET AL: "An overview architecture proposal for a high		1-3			
	physics Grid"					
	APPLIED PARALLEL COMPUTING. ADV. SCIENTIFIC COMPUTING. 6TH INTER					
	CONFERENCE, PARA 2002. PROCEEDI					
•	(LECTURE NOTES IN COMPUTER SCIEN	NCE				
	VOL.2367) SPRINGER-VERLAG BERLII June 2002 (2002-06), pages 76-80					
	XP002306966	5 ,				
	ISBN: 3-540-43786-X					
	page 78 - page 81 page 80; figure 1					
Υ	page 80; figure 1		4-6			
		-/				
		·				
			· · · · · · · · · · · · · · · · · · ·			
X Fund	Further documents are listed in the continuation of box C. Patent family members are listed in annex.					
* Special categories of cited documents: T later document published after the International filing date or priority date and not in conflict with the application but						
"A" document defining the general state of the art which is not considered to be of particular relevance		cited to understand the principle or the invention	eory underlying the			
"E" earlier document but published on or after the international filing date		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to				
which	"L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevances the desired invention.					
O docume	"O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docu-					
other means "P" document published prior to the international filing date but		ments, such combination being obvious in the art.				
	han the priority date claimed	"&" document member of the same patent family				
Date of the actual completion of the International search		Date of mailing of the international search report 2 3. 03. 2005				
7	December 2004	2 3. 03	D. 2005			
Name and n	malling address of the ISA	Authorized officer				
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk					
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Dewyn, T				

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INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/008408

		101/1120	347000400
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Χ	B. KONYA: "The NorduGrid Information		1-3
•	System"		1-3
	16 September 2002 (2002-09-16), ,		
	XP002306967		
	Retrieved from the Internet: URL:http://www.nordugrid.org/documents/ng	•	·
	infosys.pdf>		<u> </u>
	page 4 - page 6		
•	page 5; figure 1		1
	page 5; figure 1	•	4-6
,	B. KONYA ET AL: "The NorduGrid		4-6
	architecture and tools"		
	March 2003 (2003-03), XP002306968 Retrieved from the Internet:		
	URL:http://www.nordugrid.org/documents/MOA		,
	T003.pdf>	•	
	page 2, right-hand column, line 26 - line 33	•	
•	page 3, right-hand column, line 19 - line		
	24		
	page 8; figure 4		
1	GAWOR ET AL: "CoG Kits: A Bridge between		1-6
	Commodity Distributed Computing and		
	High-Performance" June 2000 (2000-06), , XP002306969		
	Retrieved from the Internet:		
	URL:http://www-unix.mcs.anl.gov/~laszewsk/	•	
	<pre>papers/cog-final.pdf> the whole document</pre>		

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INTERNATIONAL SEARCH REPORT

International application No. PCT/EP2004/008408

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such
an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-6
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6

A graphical user interface, representing a structure with columns and rows, the rows representing services in a grid computing network, the rows structured hierarchically with respect to an application where a service belongs, a type of service and concrete service instances.

2. claim: 7

A method comprising receiving a request to view a sub grid network, the sub grid representing a root node and nodes with inferior relations to the root node, the nodes representing grid managers managing services in the grid network; querying a grid manager representing the root node for its status and adresses of nodes with inferior relations; querying inferior grid managers for current status; displaying a state of the root and inferior grid managers and for each grid manager, a computer system running the grid manager.